| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT |  |                                    |                                  | Atty Docket  Al 321   |             | Application No.  To Be Assigned |                |  |
|--|--|------------------------------------|----------------------------------|---|-------------|---------------------------------|----------------|--|
|  |  |                                    |                                  | ·   | 10 86       |                                 |                |  |
|  |  |                                    |                                  | Applicant  Masaru TAKAISHI et al.   |             |                                 |                |  |
|  |  |                                    |                                  | Filing Date   |             | Group Unit                      |                |  |
|  |  |                                    |                                  | December 31, 2003   | То          | To Be Assigned                  |                |  |
|  |  |                                    | (                                | J.S. PATENT DOCUMENTS   |             |                                 |                |  |
| Examiner<br>Initial                            |  | Document<br>Number                 | Date                             | Name  | Class       | Sub-<br>Class                   | Filing<br>Date |  |
|  | AA   |                                    |                                  |   |             |                                 |                |  |
|  | АВ   |                                    |                                  |   |             |                                 |                |  |
|  | AC   |                                    |                                  |   |             |                                 |                |  |
|  | AD   |                                    |                                  |   |             |                                 |                |  |
|  | AE   |                                    |                                  |   |             | <u> </u>                        |                |  |
|  | AF   |                                    |                                  |   |             |                                 |                |  |
|  | AG   |                                    |                                  |   |             |                                 |                |  |
|  | AH   |                                    |                                  | +   |             |                                 |                |  |
|  | AI   |                                    |                                  |   |             |                                 | <del> </del>   |  |
|  | AJ   |                                    |                                  |   |             |                                 |                |  |
|  | AK   |                                    |                                  |   |             |                                 |                |  |
|  |  |                                    | FOR                              | EIGN PATENT DOCUMENTS   |             |                                 |                |  |
|  |  | Document                           |                                  |   |             | Sub-                            | Trans-         |  |
| - M  | <b> </b>   | Number                             | Date                             | Country   | Class       | Class                           | lation         |  |
| 30   | AL   | 61-179589                          | 08/12/86                         | Japan   | -           |                                 | Abstract       |  |
|  | AM   |                                    |                                  |   |             |                                 |                |  |
|  | AN   |                                    |                                  |   |             |                                 |                |  |
| /  | AO   |                                    | <u></u>                          |   |             |                                 |                |  |
|  | OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |                                    |                                  |   |             |                                 |                |  |
| ····   | AP   |                                    | <del></del>                      |   |             |                                 |                |  |
| /  | AQ   |                                    |                                  |   |             |                                 |                |  |
|  | AR   |                                    | - 12                             |   |             |                                 |                |  |
| Examiner                                       |  | usnees                             | The_                             |   |             | Date Considered                 |                |  |
| EXAMINER: citation if not                      | Initial in con   | it reference con<br>formance and n | sidered, wheth<br>ot considered. | ner or not citation is in conformance with<br>Include copy of this form with next con | MPEP 609; o | fraw line                       | through        |  |

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